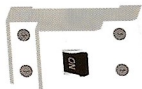


6 Up-limit Switch Setting

Step

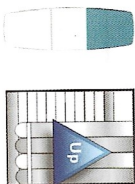
When the motor head is on the left of the door or the window, need engage the up distance, using the adjusting tool to turn the red limit switch setting hole, towards the direction of "+", whereas, towards the direction of "-",



Power On

1

When the motor head is on the right of the door or the window, need engage the up distance, using the adjusting tool to turn the white limit switch setting hole, towards the direction of "+", whereas, towards the direction of "-",



Press Key "Up" 2



3

When the motor stop working, don't use adjusting tool to turn the limit switch setting hole.



Up-limit switch distance set successfully

5



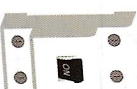
When the up-limit switch distance reach the ideal position, stop turning limit switch setting hole and press the "stop" key.

4

7 Down-limit Switch Setting

Step

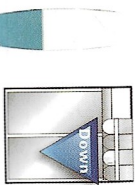
When the motor head is on the left of the door or the window, need engage the down distance, using the adjusting tool to turn the white limit switch setting hole, towards the direction of "+", whereas, towards the direction of "-",



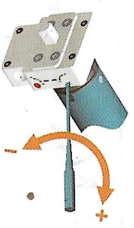
Power On

1

When the motor head is on the right of the door or the window, need engage the down distance, using the adjusting tool to turn the red limit switch setting hole, towards the direction of "+", whereas, towards the direction of "-",



Press Key "Down" 2



3

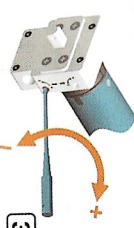
When the down-limit switch distance reach the ideal position, stop turning limit switch setting hole and press the "stop" key.



4

Down-limit switch distance set successfully

5



3

When the motor stop working, don't use adjusting tool to turn the limit switch setting hole.

N Trouble and solutions

Trouble

1 Press the controller down button, the shutter moves upward instead of downward

2 The driving adapter can only rotate in one direction when the power is on

3 When power is switched on, the motor refuses to work or starts slowly

4 Sudden stop of the operating motor

5 The motor stops operation and path length cannot be increased

6 Unexpected noise emitted during shutter rolling

Possible reasons

Line connection opposite

The switch of the other direction is off

- a. Voltage too low
- b. Errors in line connection
- c. Overload
- d. Installation errors

Rated operating time (min) exceeded

The spacing has been adjusted to the maximum

The tube too long, which causes the tightness between the rolling shutter and the bracket both

Solutions & suggestions

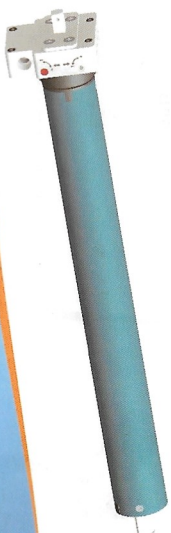
Exchange the connection head between the brown and black line
Rotate the crown toward the rotating direction of the driving adapter

- a. Regulate the voltage to the rated
- b. Check the lines according to the manual
- c. Overload
- d. Reinstall the motor

After approximately 20 minutes, it will resume automatically when the motor cools down

Remove the motor and rotate the crown towards the inverse direction several rounds (according to the manual), then put the tube and adjust to the necessary spacing position
If the idler is flexible, users may cut a little of the tube with a saw, to loosen the tightness between the bracket and roller shutter

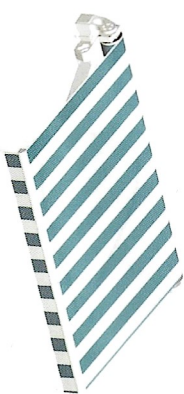
Manual Tubular Motor Instruction



M/Manual
(Mechanic Limit Switch+Manual)

T Usage

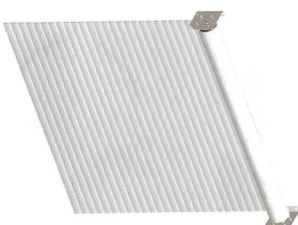
Technology



Awning
TM45 Series Motor



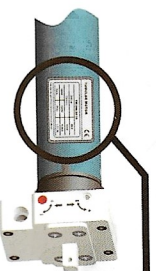
Metal Roller Shutter
TM45 Series Motor



Roller shutter
TM45 TMS9 TMS2 Series Motor

T Nameplate

Technology



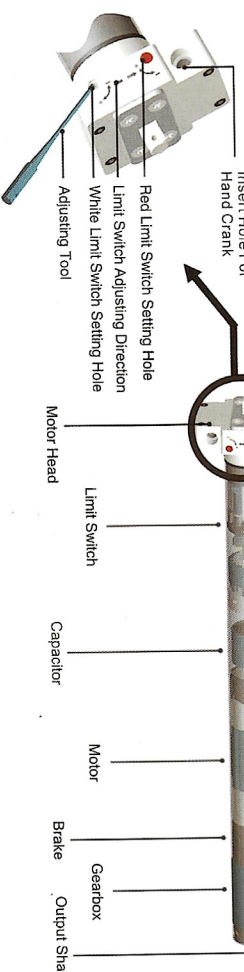
Explanation

TM 45 M - 20 / 15
Tubular Motor Manual Rated torque (N.m) Rated Speed (rpm)

TUBULAR MOTOR		CE		Item No
TM45M-20/15		045	220V	
Nominal Torque	20N.m	045	Rated Voltage	Tube Diameter(mm)
Output Speed	15rpm/min	220V	Rated Current	0.64A
Rated Frequency	50Hz	145W	Protection Class	IP44
Running Time	4min	IP44	Isolation Class	1C1-H
Input Power	145W	1C1-H		

T Motor Configuration

Technology



Insert Hole For Hand Crank

Red Limit Switch Setting Hole

Limit Switch Adjusting Direction

White Limit Switch Setting Hole

Adjusting Tool

Motor Head

Limit Switch

Capacitor

Motor

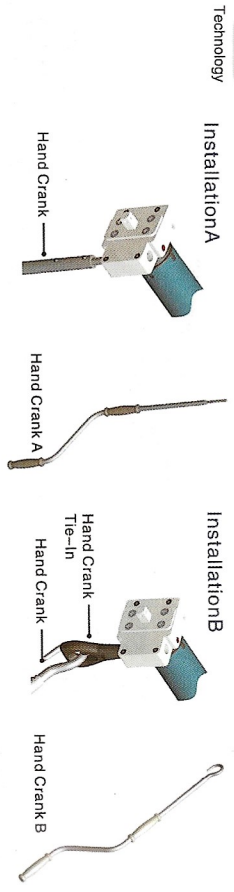
Brake

Gearbox

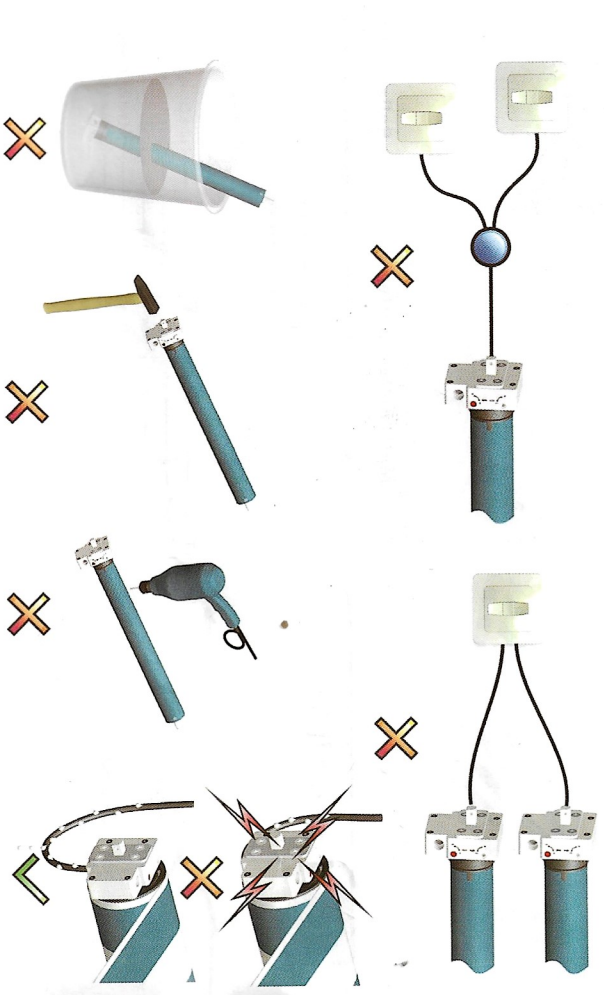
Output Shaft

T Installation Of The Motor Head

The hand crank could be used only when the motor stops!



Note



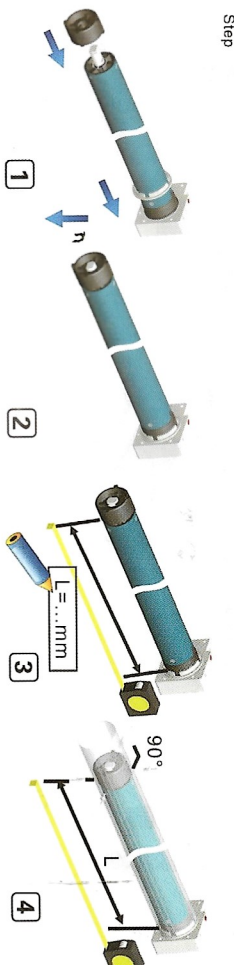
1 Installation of Crown

Step



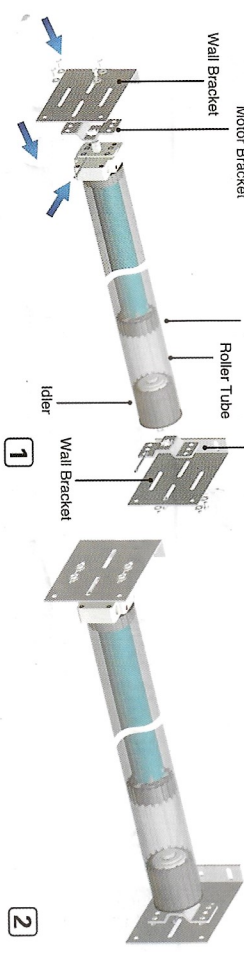
2 Drive Adapter's Installation

The drive adapter's installation could use the rivet or screw 4x / 4x



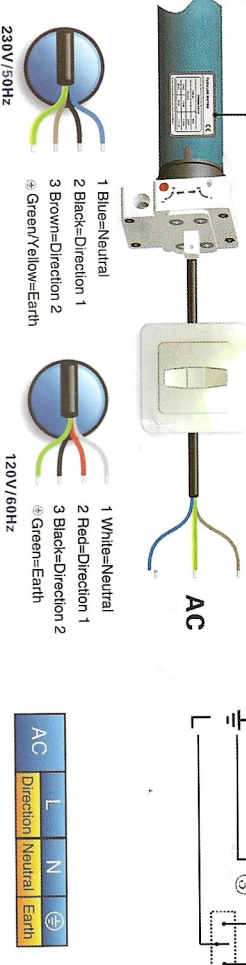
3 Bracket's Installation

Step



4 Line Connection A

Step



5 Line Connection B

Step

